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**PATENT** 

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## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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METHOD AND APPARATUS FOR DETERMINING ALTERNANS DATA

JOEL Q. XUE ET AL

Filed: 04/15/2004

OF AN ECG SIGNAL

Group Art Unit:

Examiner:

Application No. 10/825,495

Sir:

Pursuant to revised Rules 56 and 98, the Applicant would like to make of record the patents and publications listed on the attached PTO Form 1449. These documents may be material to the patentability of the above-captioned invention. A copy of each foreign patent and publication is enclosed.

Since no Office Action has been received on the application, it is believed that no fee is due in connection with this Statement. However, if a fee is due, this is your authorization to charge Deposit Account No. 01.2000 for any such fee.

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

Joseph D. Kuborn

Andrus, Sceales, Starke & Sawall, LLP 100 East Wisconsin Avenue, Suite 1100 Milwaukee, WI 53202 (414) 271-7590

Attorney Docket No.: 140821IT (5024-00121)

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13 32	0001/PJO U.S. Department of Con	nmerce	Application Number	10/825,495
BARRER	Rev. 10/95 Patent and Trademark	Patent and Trademark Office		04/15/2004
A6.8	meir .		First Named Inventor	Joel Q. Xue
	TRANSMITTAL FORM		Group Art Unit	
	(to be used for all correspondence after initia	Examiner Name		
	Total Number of pages in this Submission	9+	Attorney Docket Number	140821IT (5024-00121)

7 (3024-00121)					
	ENCLOSURES (check all that apply)				
☐ Fee Transmittal Form☐ Fee Attached	☐ Assignment Papers (for an Application)	☐ After Allowance Communication To Group			
☐ Amendment/Response ☐ After final	☐ Drawing(s)	<ul><li>□ Appeal Communication to Board Of Appeals and</li></ul>			
☐ Extension of Time Request☐ Express Abandonment	<ul> <li>□ Licensing-related Papers</li> <li>□ Petition Checklist and Accompanying Petition</li> </ul>	Interferences  Appeal Communication to Group ( Appeal Notice, Brief,			
Request  Information Disclosure	☐ To Convert a Provisional Application	Reply Brief)  Proprietary Information			
Statement/PTO-1449  Certified Copy of Priority Document(s)	☐ Power of Attorney, Revocation, Change of Correspondence Address	☐ Status Letter ☑ Additional Enclosure(s)			
☐ Response to Missing Parts/ Incomplete Application ☐Response to Missing	☐ Terminal Disclaimer	(Please identify below)  Return receipt postcard			
Parts Under 37 1.52 or 1.53					
	Remarks				
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	rn, (Reg. No. 40,689) ALES, STARKE & SAWALL, LLP				
Individual Name 100 East Wisco	nsin Avenue, Suite 1100, Milwaukee,	WI 53202			
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INFORM	MATION DISCLOSURE STATEMENT B		Application Number	10/825,495	
EAL	APPLICAN	NT	Filing Date	April 15, 2004	
			First Name Inventor	Joel Q. Xue	
			Group Art Unit		
	(use as many sheets a	s necessary)	Examiner Name		
Sheet	1	of 7	Attorney Docket Number	140821IT (5024-00121)	

	U.S.	PATENT DOCUMENTS	S	
Examiner Initials	U.S. Patent Document Number	Name of Patentee or A	applicant of Cited ent	Date of Publication of Cited Document
	4,589,420	Adams et al.		5/20/1986
	4,457,315	Bennish		7/3/1984
	5,201,321	Fulton		4/13/1993
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	4,458,691	Netravali		7/10/1984
Examiner			Date	

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INFORMATION DISCLOSURE STATEMENT BY			TBY	Application Number	10/825,495	
	APPLICANT			Filing Date	April 15, 2004	
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				Group Art Unit		
	(use as many sheets as necessary)			Examiner Name		
Sheet	2	of	7	Attorney Docket Number	140821IT (5024-00121)	

U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document			
	4,974,598	John	12/4/1990			
	5,117,833	Albert et al.	6/2/1992			
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	4,519,395	Hrushesky	5/28/1985			
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	5,188,116	Pommrehn et al.	2/23/1993			

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INFORMA	TION DISCLOSUE	RE STATEMENT BY	Application Number	10/825.495	
	APPLICAN		Filing Date	April 15, 2004	
			First Name Inventor	Joel Q. Xue	
			Group Art Unit		
(use as many sheets as necessary)			Examiner Name		
Sheet	3	of 7	Attorney Docket Number	140821IT (5024-00121)	

	U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document				
	5,277,190	Moulton	1/11/1994				
	3,554,187	Glassner et al.	1/12/1971				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			BY	Application Number	10/825,495
				Filing Date	April 15, 2004
		First Name Inventor	Joel Q. Xue		
				Group Art Unit	
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Sheet	4	of 7		Attorney Docket Number	140821TT (5024-00121)

U.S. PATENT DOCUMENTS					
Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document		
	5,423,878	Franz	6/13/1995		
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Sheet	5	of	7	Attorney Docket Number	140821IT (5024-00121)	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials	Country Code	Foreign Patent Document Number			Translation	English Abstract			
	DE	2604460	Michael S. Lampadius	8/11/1977					
	DE	3303104	Belorussky Nauchno-Issledovatelsky Institut Kardiologii	8/2/1984					
	DE	4024360	Transformatoren und Rontgenwerk GmbH	3/21/1991					
	EP	0080821	Datamedix, Inc.	6/8/1983					
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	UK	2070871	Anderson et al.	9/9/1981					
	wo	WO81/02832	Datamedix, Inc.	10/15/1981					

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.						
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/825.495		
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Sheet	6	of 7	Attorney Docket Number	140821IT (5024-00121)		

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, s symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.						
	Little et al., 'Torsade de Pointes and T-U wave alternans associated with arsenic poisoning,' Pace, 1990, 13, pp. 164-170.						
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	Schwartz, 'Idiopathic long QT syndrome: progress and questions,' American Heart Journal, February 1985, 109(2), pp. 399-411.						
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S	Substitute of form 1449/PTO			Complete if Known		
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	APPLICANT			Filing Date	April 15, 2004	
ł				First Name Inventor	Joel Q. Xue	
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	(use as many sheets as necessary)			Examiner Name		
Sheet	7	of	7	Attorney Docket Number	140821IT (5024-00121)	

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.				
		Verrier et al., 'Behavioral states and sudden cardiac death,' Pace, September 1992, 15, pp. 1387-1393.			
		Turitto et al., 'Alternans of the ST segment in variant angina,' Chest, March 1988, 93(3), pp. 587-591.			
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Examiner	Date	
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